

Form PTO/SB/08

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)

GPCG-P01-019

Application Number

09/973,674

Applicant

Loferer et al.

Filing Date

October 9, 2001

Group Art Unit

1645

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 5,545,568	8/13/96	Ellman			
	AB 5,324,483	6/28/94	Cody et al.			
	AC 5,322,933	6/21/94	Davies et al.			
	AD 5,223,409	6/29/93	Ladner et al.			
	AE 5,143,854	9/1/92	Pirrung et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AF WO 00/17387	3/30/00	PCT				
	AG WO 99/47553	9/23/99	PCT				
	AH WO 99/14311	3/25/99	PCT				
	AI WO 98/42875	10/1/98	PCT				
	AJ WO 98/35054	8/13/98	PCT				
	AK WO 98/25146	6/11/98	PCT				
	AL WO 98/18947	5/7/98	PCT				
	AM WO 97/41255	11/6/97	PCT				
	AN WO 96/35804	11/14/96	PCT				
	AO WO 95/35367	12/28/95	PCT				
	AP WO 95/31544	11/23/95	PCT				
	AQ WO 95/09925	4/13/95	PCT				
	AR WO 94/09137	4/28/94	PCT				
	AS WO 92/10092	6/25/92	PCT				
	AT WO 92/01047	1/23/92	PCT				
	AU WO 91/17271	11/14/91	PCT				
	AV WO 90/15070	12/13/90	PCT				

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

AW	Al-Obeidi, F. et al. Peptide and Peptidomimetic Libraries. <i>Mol. Biotech.</i> 9, 205-223 (1998).
----	--

Form PTO/SB/08		Docket Number (Optional) GPCG-P01-019	Application Number 09/973,674
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Loferer et al.	
JAN 03 2005		Filing Date October 9, 2001	Group Art Unit 1645
AX	Arigoni, F. et al. A genome-based approach for the identification of essential bacterial genes. <i>Nat. Biotech.</i> 16, 851-856 (16 Sept. 1998).		
AY	Baltz, R.H. et al. DNA Sequence Sampling of the <i>Streptococcus pneumoniae</i> Genome to Identify Novel Targets for Antibiotic Development. <i>Microbial Drug Resistance</i> 4, 1-9 (1998).		
AZ	Beal, P.A. & Dervan, P.B. Second Structural Motif for Recognition of DNA by Oligonucleotide-Directed Triple-Helix Formation. <i>Science</i> 251, 1360 (1991).		
BA	Beeley, N. Peptidomimetics and small-molecule drug design: towards improved bioavailability and in vivo stability. <i>TIB</i> 12, 213-216 (1994).		
BB	Bentley, J. et al. Cloning and sequence analysis of an <i>Escherichia coli</i> gene conferring bicyclomycin resistance. <i>Gene</i> 127, 117-120 (1993).		
BC	Bohm, H.-J. Towards the automatic design of synthetically accessible protein ligands: Peptides, amides and peptidomimetics. <i>J. Comput. Aided Mol. Des.</i> 10, 265-272 (1996).		
BD	Campos, N. et al. <i>Escherichia coli</i> engineered to synthesize isopentenyl diphosphate and dimethylallyl diphosphate from mevalonate: a novel system for the genetic analysis of the 2-C-methyl-D-erythritol 4-phosphate pathway for isoprenoid biosynthesis. <i>Biochem. J.</i> 353, 59-67 (2001).		
BE	Chandlee, J.M. The utility of transposable elements as tools for the isolation of plant genes. <i>Physiologia Plantarum</i> 78, 105-115 (1990).		
BF	Connolly, D.M. & Winkler, M.E. Genetic and Physiological Relationships among the miaA Gene, 2-Methylthio-N <sup>6</sup> -( $\Delta^2$ -Isopentenyl)-Adenosine tRNA Modification, and Spontaneous Mutagenesis in <i>Escherichia coli</i> K-12. <i>J. Bacteriol.</i> 171, 3233-3246 (June 1989).		
BG	Cornell, K.A. & Riscoe, M.K. Cloning and expression of <i>Escherichia coli</i> 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase: Identification of the pfs gene product. <i>Biochimica et Biophysica Acta</i> 1396, 8-14 (1998).		
BH	Dinh, T.Q. et al. Design, Synthesis, and Evaluation of the Multidrug-Resistance Reversing Activity of D-Glucose Mimetics of Hapalosin. <i>J. Med. Chem.</i> 41, 981-987 (1998).		
BI	Doring, E. et al. Identification and Characterization of a TNF $\alpha$ Antagonist Derived from a Monoclonal Antibody. <i>Mol. Immunol.</i> 31, 1059-1067 (1994).		
BJ	Dorner, B. et al. The Synthesis of Peptidomimetic Combinatorial Libraries Through Successive Amide Alkylations. <i>Bioorg. Med. Chem.</i> 4, 709-715 (1996).		
BK	Drees, B. L. Progress and variations in two-hybrid and three-hybrid technologies. <i>Curr. Opin. Chem. Biol.</i> 3, 64-70 (1999).		
BL	Engleman, V. W. et al. A Peptidomimetic Antagonist of the $\alpha\text{v}\beta 3$ Integrin Inhibits Bone Resorption in Vitro and Prevents Osteoporosis in Vivo. <i>J. Clin. Invest.</i> 99, 2284-2292 (May 1997).		
BM	Esberg, B. et al. Identification of the miaB Gene, Involved in Methylthiolation of Isopentenylated A37 Derivatives in the tRNA of <i>Salmonella typhimurium</i> and <i>Escheria coli</i> . <i>J. Bacteriol.</i> 181, 7256-7265 (1999).		
BN	Fassina, G. & Melli, M. Identification of Interactive Sites of Proteins and Protein Receptors by Computer-Assisted Searches for Complementary Peptide Sequences. <i>Immunomethods</i> 5, 114-120 (1994).		

Form PTO/SB/08		Docket Number (Optional) GPCG-P01-019	Application Number 09/973,674
<b>INFORMATION DISCLOSURE CITATION</b> IN AN APPLICATION (Use several sheets if necessary)		Applicant Loferer et al.	
JAN 03 2005 PATENT & TRADEMARK OFFICE		Filing Date October 9, 2001	Group Art Unit 1645
BO	Fields, J. & Song, O.-K. A novel genetic system to detect protein-protein interactions. <i>Nature</i> 340, 245-246 (1989).		
BP	Fleischmann, R.D. et al. Whole-Genome Random Sequencing and Assembly of Haemophilus influenzae Rd. <i>Science</i> 269, 496-512 (28 July 1995).		
BQ	Fullner, K.J. & Mekalanos, J.J. Genetic Characterization of a New Type IV-A Pilus Gene Cluster Found in Both Classical and El Tor Biotypes of Vibrio cholerae. <i>Infect. Immun.</i> 67, 1393-1404 (March 1999).		
BR	Gibbs, J.B. & Oliff, A. Pharmaceutical Research in Molecular Oncology. <i>Cell</i> 79, 193-198 (1994).		
BS	Green, J.M. et al. Characterization and Sequence of Escherichia coli pabC, the Gene Encoding Aminodexychorismate Lyase, a Pyridoxal Phosphate-Containing Enzyme. <i>J. Bacteriol.</i> 5317-5323 (Aug. 1992).		
BT	Gyuris, J. et al. Cdi1, a Human G1 and S Phase Protein Phosphatase that Associates with Cdk2. <i>Cell</i> 75, 791-803 (1993).		
BU	Guasch, J.F. et al. Cloning and Characterization of Two Serratia marcescens Genes Involved in Core Lipopolysaccharide Biosynthesis. <i>J. Bacteriol.</i> 178, 5741-5747 (Oct. 1996).		
BV	Hansen, F.G. et al. Physical mapping and nucleotide sequence of the rnpA gene that encodes the protein component of ribonuclease P in Escherichia coli. <i>Gene</i> 38, 85-93 (1985).		
BW	Hayashi, H. et al. Activation of a Plant Gene by T-DNA Tagging: Auxin-Independent Growth in Vitro. <i>Science</i> 258, 1350-1353 (1992).		
BX	Hruby, V.J. et al. Design of Peptides, Proteins, and Peptidomimetics in Chi Space. <i>Biopolymers</i> 43, 219-266 (1997).		
BY	Huang, B. et al. Temperature-Sensitive Mutations Affecting Flagellar Assembly and Function in Chlamydomonas Reinhardtii. <i>J. Cell Biol.</i> 72, 67-85 (1977).		
BZ	Hupp, T.R. et al. Small Peptides Activate the Latent Sequence-Specific DNA Binding Function of p53. <i>Cell</i> 83, 237-245 (1995).		
CA	Kieber-Emmons, T. et al. Therapeutic peptides and peptidomimetics. <i>Curr. Opin. Biotech.</i> 8, 435-441 (1997).		
CB	Kramer, A. et al. Molecular Basis for the Binding Promiscuity of an Anti-p24 (HIV-1) Monoclonal Antibody. <i>Cell</i> 91, 799-809 (1997).		
CC	Kramer, A. & Schneider-Mergener, J. Synthesis and Screening of Peptide Libraries on Continuous Cellulose Membrane Supports. <i>Methods Mol. Biol.</i> 87, 25-39 (1998).		
CD	Kramer, A. et al. A General Route to Fingerprint Analysis of Peptide-Antibody Interactions Using a Clustered Amino Acid Peptide Library: Comparison with a Phage Display Library. <i>Mol. Immunol.</i> 32, 459-465 (1995).		
CE	Lee, J.S. et al. Complexes formed by (pyrimidine) <sub>n</sub> -(purine) <sub>n</sub> DNAs on lowering the pH are three-stranded. <i>Nucl. Acids Res.</i> 6, 3073-3091 (1979).		

Form PTO/SB/08		Docket Number (Optional)		Application Number	
INFORMATION DISCLOSURE CITATION		GPCG-P01-019		09/973,674	
(Use several sheets if necessary)		Applicant			
		Loferer et al.			
		Filing Date		Group Art Unit	
		October 9, 2001		1645	
	CF	Leszczynska, K. et al. Cloning and Molecular Analysis of the Dihydrofolate Reductase Gene from <i>Lactococcus lactis</i> . <i>Appl. Env. Microbiol.</i> 61, 561-566 (1995).			
	CG	Li, R. et al. Design, synthesis, and application of a Protein A mimetic. <i>Nature Biotech.</i> 16, 190-195 (Feb. 1998).			
	CH	Link, A.J. et al. Methods for Generating Precise Deletions and Insertions in the Genome of Wild-Type <i>Escherichia coli</i> : Application to Open Reading Frame Characterization. <i>J. Bacteriol.</i> 179, 6228-6237 (1997).			
	CI	Mathews, I.T.W. The Use of Combinatorial and Automated Synthesis in Drug Discovery. <i>Proc. West. Pharmacol. Soc.</i> 40, 121-125 (1997).			
	CJ	McMurry, L. M. et al. Triclosan targets lipid synthesis. <i>Nature</i> 394, 531-532 (1998).			
	CK	Milner, J. DNA damage, p53 and anticancer therapies. <i>Nat. Med.</i> 1, 879-880 (1995).			
	CL	Moir, D.T. et al. Genomics and Antimicrobial Drug Discovery. <i>AAC</i> 43, 439-446 (March 1999).			
	CM	Moore, G.J. Discovery and Design of Peptide Mimetics. <i>Proc. West Pharmacol. Soc.</i> 40, 115-119 (1997).			
	CN	Mukhiya, S. et al. Identification of peptides inhibiting enzyme I of the bacterial phosphotransferase system using combinatorial cellulose-bound peptide libraries. <i>Eur. J. Biochem.</i> 254, 433-438 (1998).			
	CO	Nachman, R.J. et al. Pseudodipeptide analogs of the pyrokinin/PBAN (FXPRLa) insect neuropeptide family containing carbocyclic Pro-mimetic conformational components. <i>Reg. Peptides</i> 57, 359-370 (1995).			
	CP	Nelson, R.W. et al. Biosensor chip mass spectrometry: A chip-based proteomics approach. <i>Electrophoresis</i> 21, 1155-1163 (2000).			
	CQ	Okano, H. et al. Myelin Basic Protein Gene and the Function of Antisense RNA in its Repression in Myelin-Deficient Mutant Mouse. <i>J. Neurochem.</i> 56, 560 (1991).			
	CR	Ostresh, J.M. et al. Generation and Use of Nonsupport-Bound Peptide and Peptidomimetic Combinatorial Libraries. <i>Methods in Enzymology</i> 267, 220-236 (1996).			
	CS	Post, D.A. et al. Characterization of the hemA-prs region of the <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> chromosomes: identification of two open reading frames and implications for prs expression. <i>J. Gen. Microbiol.</i> 139, 259-266 (1993).			
	CT	Poulsen, L.K. et al. Analysis of an <i>Escherichia coli</i> mutant strain resistant to the cell-killing function encoded by the <i>gef</i> gene family. <i>Mol. Microbiol.</i> 6, 895-905 (1992).			
	CU	Rather, P.N. et al. <i>aarC</i> , a Essential Gene Involved in Density-Dependent Regulation of the 2'-N-Acetyltransferase in <i>Providencia stuartii</i> . <i>J. Bacteriol.</i> 179, 2267-2273 (1997).			
	CV	Reynes, J.-P. et al. <i>Escherichia coli</i> Thymidylate Kinase: Molecular Cloning, Nucleotide Sequence, and Genetic Organization of the Corresponding <i>tnk</i> Locus. <i>J. Bacteriol.</i> 178 2804-2812 (May 1996).			

Form PTO/SB/08

## INFORMATION DISCLOSURE/CITATION

(Use several sheets if necessary)

JAN 03 2005

Docket Number (Optional)

GPCG-P01-019

Application Number

09/973,674

Applicant

Loferer et al.

Filing Date

October 9, 2001

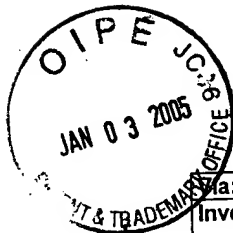
Group Art Unit

1645

CW	Rohatyn, F. et al. Cytidine 5'-triphosphate-dependent biosynthesis of isoprenoids: YgbP protein of Escherichia coli catalyzes the formation of diphosphocytidyl-2-C-methylerythritol. <i>PNAS</i> 96, 11758-11763 (12 Oct. 1999).
CX	Rose, R.B. et al. Three-Dimensional Structures of HIV-1 and SIV Protease Product Complexes. <i>Biochem.</i> 35, 12933-12944 (1996).
CY	Rudiger, S. et al. Substrate specificity of the DnaK chaperone determined by screening cellulose-bound peptide libraries. <i>EMBO J.</i> 16, 1501-1507 (1997).
CZ	Rutenber, E.E. et al. A New Class of HIV-1 Protease Inhibitor: The Crystallographic Structure, Inhibition and Chemical Synthesis of an Aminimide Peptide Isostere. <i>Bioorg. Med. Chem.</i> 4, 1545-1558 (1996).
DA	Scofield, S.R. et al. Molecular Basis of Gene-for-Gene Specificity in Bacterial Speck Disease of Tomato. <i>Science</i> 274, 2063-2065 (1996).
DB	Skovgaard, O. Nucleotide sequence of a Proteus mirabilis DNA fragment homologous to the 60K-rnpA-rpmH-dnaA-dnaN-recF-gyrB region of Escherichia coli. <i>Gene</i> 93, 27-34 (1990).
DC	Smuda, J. W. & Carter, B. J. Adeno-Associated Viruses Having Nonsense Mutations in the Capsid Genes: Growth in Mammalian Cells Containing an Inducible Amber Suppressor. <i>Virology</i> 184, 310-318 (1991).
DD	Tartaglia, L.A. et al. Tumor Necrosis Factor's Cytotoxic Activity is Signaled by the p55 TNF Receptor. <i>Cell</i> 73, 213-216 (1993).
DE	Tatusov, R.L. et al. Metabolism and evolution of Haemophilus influenzae deduced from a whole-genome comparison with Escherichia coli. <i>Curr. Biol.</i> 6, 279-291 (1996).
DF	Trias, J. & Gordon, E.M. Innovative approaches to novel antibacterial drug discovery. <i>Curr. Op. Biotech.</i> 8, 757-762 (1997).
DG	Tsui, H.-C. T. et al. The mutL repair gene of Escherichia coli K-12 forms a superoperon with a gene encoding a new cell-wall amidase. <i>Mol. Microbiol.</i> 11, 189-202 (1994).
DH	Tsukida, T. et al. Studies on Selectin Blockers. 5. Design, Synthesis, and Biological Profile of Sialyl Lewis x Mimetics Based on Modified Serine - Glutamic Acid Dipeptides. <i>J. Med. Chem.</i> 40, 3534-3541 (1997).
DI	Wehmeier, U.F. et al. Cloning of the Escherichia coli sor Genes for L-sorbose Transport and Metabolism and Physical Mapping of the Genes near methH and iclR. <i>J. Bacteriol.</i> 174, 7784-7790 (Dec. 1992).
DJ	Wiley, R.A. & Rich, D.H. Peptidomimetics Derived from Natural Products. <i>Med. Res. Rev.</i> 13, 327-384 (1993).
DK	Wu, A.M. In vivo veritas: Live phage display panning. <i>Nature Biotech.</i> 14, 429-431 (1996).
DL	Zervos, A.S. et al. Mxi1, a Protein that Specifically Interacts with Max to Bind Myc-Max Recognition Sites. <i>Cell</i> 72, 223-232 (1993).

EXAMINER

DATE CONSIDERED



Via: First Class Mail		Atty Dkt No.: GPCG-P01-019
Inventor: Loferer et al.		
Application No.: 09/973674		Filing Date: October 9, 2001
Title: NOVEL METHOD FOR IDENTIFYING ANTIBACTERIAL COMPOUNDS		

**Documents Filed:**  
Information Disclosure Statement (2 pages)  
  
Form PTO/SB/08 (6 pages)  
  
Listed References AA-DL  
  
Return Mailroom Postcard

Sender's Initials: DYH/apl	Date: September 27, 2002
----------------------------	--------------------------

Via: First Class Mail		Atty Dkt No.: GPCG-P01-019
Inventor: Loferer et al.		
Application No.: 09/973674		Filing Date: October 9, 2001
Title: NOVEL METHOD FOR IDENTIFYING ANTIBACTERIAL COMPOUNDS		

**Documents Filed:**  
Information Disclosure Statement (2 pages)  
  
Form PTO/SB/08 (6 pages)  
  
Listed References AA-DL  
  
Return Mailroom Postcard



Sender's Initials: DYH/apl	Date: September 27, 2002
----------------------------	--------------------------